AUTHOR INDEX TO VOLUME 9, 1934.

ASAHINA, Tei-ichi. Picrates of chalcones as organic molecular compounds 131

Sur la formation de composés moléculaires entre les chalcones et les corps nitroaromatiques 181

Sur l'équilibre hétérogène du système ternaire des composés organiques . . 222

ASAHINA, Tei-ichi, and NARA, Gengo. The benzyl ethers of polysaccharides. I. The benzyl ethers of starches of various origins 530

DÔNO, Tsurumatsu. On the copper age in ancient China. III. 120

EMI, Misao. The chemical change of carbon disulphide under electrodeless discharge. 442

FUJISE, Shin-ichiro, und MITUI, Sekio. Synthetische Versuche mit Methyltrioxybenzol. Mitteilung I. Synthese von 2,6-Dimethyl-polyoxy-flavanonen. 24

HAMAI, Senzo. Reactions between ethylene chloride and chlorine 542

HAN, Kwan. See MATSUNO, Kichimatsu.

HARADA, M. See HARADA, Masao; TITANI, T; OKABE, K.

HARADA, Masao, and TITANI, Toshizo. The concentration of deuterium in some industrial waters 457

HARADA, Taichi. Fungi (*Trichophyton interdigitale, Trichophyton violaceum, Epidermophyton inguinale, and Aspergillus oryzae*) and fungicides 186

Olive oil ozonide and its fungicidal quality 192

Determination of the oxidizing power or available oxygen of the peroxide and the ozonide of an oil or fat 197

HEMMI, Hachiro. See SAMESHIMA, Jitsusaburo.

HIRAMATSU, Tatsuichi. See SAMESHIMA, Jitsusaburo.

INOUE, Harushige. On the catalytic action of Japanese acid earth. V. The action on methylcyclohexanols and menthol 353

INOUE, Harushige, and ISHIMURA, Koshiro. On the catalytic action of Japanese acid earth. VI. The action on cyclohexylamine and its derivatives 423

On the catalytic action of Japanese acid earth. VII. The relation between the constituents of the earth and its catalytic action 431

ISEMURA, Toshizo. Rhythmic precipitates. III. On the effects of the presence of acids, alcohols, or amino-acids in gelatine jellies 236

ISHIHARA, Miss Kimi. See TONOMURA, Tokuzo.

ISHIKAWA, Tetsuya. A viscosity formula for binary mixtures, the association degrees of constituents being taken into consideration. IX. 155

ISHIMURA, Koshiro. On the catalytic action of Japanese acid earth. VIII. The relation between the catalytic activity and the adsorption 493

ISHIMURA, Koshiro. On the catalytic action of Japanese acid earth. IX. The promotion and poisoning of the catalytic action 521

See also INOUE, Harushige.

KANEKO, Hideo. The colloidal behaviuor of sericin. I–VII. 207, 241, 283, 344, 409, 461, 510

KUBOTA, Bennosuke. See TATEMATSU, Kiyoharu.

KURANO, K. See TITANI, T.

MATSUNO, Kichimatsu, and HAN, Kwan. Studies on the Raman effect. Part II. The Raman effect of phenyl-acetates, phenyl-propionate, cinnamates, phthalates, salicylates and phenylmethylcarbinol 88

Studies of the Raman effect of organic substances. Part III. Raman effect of α-mono-derivatives of furan 327

MITUI, Sekio. See FUJISE, Shin-ichiro.

MIYAMOTO, Kunimoto. See YAMAGUCHI, Yohei.

MIYAMOTO, Susumu. Heterogeneous chemical reactions in the silent electric discharge. VII–IX, XI. 139, 165, 175, 505

NARA, Gengo. See ASAHINA, Tei-ichi.

NASU, Nobuyuki. On the heat of fusion of titanium tetrachloride, carbon tetrachloride, and antimony pentachloride 198

ÔEDA, Haruomi. Oxidation of some α-hydroxy-acids with lead tetra-acetate 8

See also TAKAYAMA, Yoshitaro.

OKABE, K., HARADA, M. and TITANI, T. On the content of deuterium in the water of crystallization 460

OKABE, K. See also TITANI, T.

OKUDA, Yuzuru, and YAMAFUJI, Kazuo. Some chemical changes of muscle proteins in canning 75

SAITO, Kôjiro, SUGINOME, Harusada, and TAKAOKA, Michio. On the alkaliods of white hellebore. I. Isolation of constituent alkaloids 15

SAKO, Shin-ichi. The formation of cyclic compounds. Part I. The relative ease of formation and the relative stability of simple carbon rings 41

The formation of cyclic compounds from derivatives of diphenyl. Part II. The formation of 4, 5, 9, 10-Dibenzopyrene and 4, 5-diphenyl-diphenylene oxide from 6, 6′-diphenyl-diphenyl-2, 2′-tetrazonium sulphate 55

Some derivatives of benzidine 150

The formation of cyclic compounds from derivatives of diphenyl. Part III. Optical resolution of 6-nitro-6′-acetamidodiphenic acid, and formation of 5-nitrophenanthridone-4-carboxylic acid therefrom 393

SAMESHIMA, Jitsusaburo, and HEMMI, Hachiro. Sorption of gas by mineral. IV. Zeolites and bentonite 27

SAMESHIMA, Jitsusaburo, and HIRAMATSU, Tatsuichi. The fusion curves of the systems, Br_2-$CHCl_3$, Br_2-CCl_4, and $CHCl_3$-CCl_4 260

SANO, Isamu. The action of carbon monoxide on chloroplatinic acid solution 320

SHIBA, Tadao. See YAMAGUCHI, Yohei.

SHIBATA, Yuji, and YAMASAKI, Kazuo. Untersuchungen über die oxydasenartigen Wirkungen gewisser Metallkomplexsalze. X. 273

SODA, Tokuro. Ueber die Sulfonierung des Rohrzuckers 1

Glucosulfatase. IX. On the specificity of the enzyme 83

SUGAWARA, Ken. Liesegang's stratification developed in the diatomaceous gyttia from Lake Haruna, and problems related to it 402

Relation between the temperature and the *p*H value of the bottom deposits from Pond Takasukanuma 446

SUGINOME, Harusada. See SAITO, Kôjiro.

TAKAOKA, Michio. See SAITO, Kôjiro.

TAKAYAMA, Yoshitaro, and ÔEDA, Haruomi. Studies on amino-acids and related compounds. Part VIII. Electrolytic oxidation of histamine and histidine 535

TAMAMUSHI, Bunichi. Einfache Versuche zur Prüfung der Orientierung von Molekülen an der Oberfläche des Wassers und der wässerigen Lösungen 161

Die zweidimensionale Zustandsgleichung und der Bau von Grenzflächenschichten 363, 475

TATEMATSU, Kiyoharu, and KUBOTA, Bennosuke. The constitution of the hydroxy-derivatives of diphenylene oxide obtained from resorcinol 448

TITANI, T., KURATA, K., and HARADA, M. Concentration of deuterium by electrolysis of sulphuric acid solutions 269

TITANI, T., OKABE, K., and HARADA, M. Concentration of deuterium by electrolysis of neutral salt solutions. I. 272

TITANI, T. See also HARADA, Masao; OKABE, K.; YAMASAKI, Shigeaki.

TITANI, Toshizo. See TITANI, T.

TONOMURA, Tokuzo, and ISHIHARA, Miss Kimi. The surface tensions of ethyl alcohol and carbon disulphide at low temperatures 439

TOYODA, Hideo. A micro-method for the determination of disulphide- and sulfhydryl-compounds. I. 263

YAMAFUJI, Kazuo. See OKUDA, Yuzuru.

YAMAGUCHI, Shozo. On the cracking of polycyclic compounds 303

YAMAGUCHI, Yohei, and MIYAMOTO, Kunimoto. The measurement of high voltage of alternating current by Kerr cell 125

YAMAGUCHI, Yohei, and SHIBA, TADAO. Behaviour of the surface of the solution of electrolyte against electronic impacts 109

YAMASAKI, Kazuo. See SHIBATA, Yuji.

YAMASAKI, Shigeaki, and TITANI, Toshizo. On the vapour-phase hydrolysis 501